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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 1300 I Street, N.W. Washington, DC 20005-3315			BRAUTIGAM, ALYSA N	
			ART UNIT	PAPER NUMBER
			2676	

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/026,758

Applicant(s)

MCCLELLAND ET AL.

Examiner

Alysa N. Brautigam

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claim*** have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-14, and 25-28 are rejected under 35 U.S.C. 102(b) as being anticipated by AutoCAD 2000 ("Inside AutoCAD ® 2000 Limited Edition," by Burchard et al.).
4. In regards to claim 1, AutoCAD 2000 discloses a method of colorizing an electronic schematic including at least one feature (Chapter 4 – "Controlling Object Properties" – discloses object properties including color; Figures 4.3 and 4.4) comprising the steps of:
 - identifying a set of features associated with the electronic schematic to be colorized (Chapter 4 – "Controlling Object Properties" – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
 - establishing a color scheme, wherein the color scheme includes a color, representing a visible wavelength in the electromagnetic spectrum, associated

with at least one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and

- automatically colorizing the at least one feature based on the color scheme to generate a colorized schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

5. In regards to claim 2, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 discloses wherein each feature includes one or more elements (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer), and wherein the step of automatically colorizing the feature includes:

- associating an element with one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorizing the element based on the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

6. In regards to claim 3, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 further discloses storing the colorized schematic in an electronic format (Chapter 4 – “Controlling Object Properties”

– discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

7. In regards to claim 4, AutoCAD 2000 discloses the method of claim 3, as contained hereinabove. In addition, AutoCAD 2000 further discloses:

- obtaining a revised electronic schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: This could be a simple action by the user to open a file [the revised electronic schematic]);
- comparing the schematic to the revised electronic schematic to determine revised portions and non-revised portions of the revised electronic schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: Again, this could be a simple action by the user to compare one file to another);
- colorizing the non-revised portions based on the stored colorized schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- associating an element from the revised portions with one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and

- automatically colorizing the element based on the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).
8. In regards to claim 5, AutoCAD 2000 discloses the method of claim 2, as contained hereinabove. In addition, AutoCAD 2000 further discloses wherein the step of associating an element with one of the features includes:
- selecting a feature (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
 - selecting at least one element on the schematic to be associated with the selected feature (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).
9. In regards to claim 6, AutoCAD 2000 discloses the method of claim 5, wherein the step of selecting at least one element on the schematic includes selecting at least one element in a visual representation of the schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).
10. In regards to claim 7, AutoCAD 2000 discloses the method of claim 5, wherein the step of selecting at least one element on the schematic includes entering one or more labels associated with the elements (Chapter 15 – “Text Annotation”).

11. In regards to claim 8, AutoCAD 2000 discloses a computer-readable medium including instructions for performing a method of colorizing an electronic schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer) including at least one feature comprising the steps of:

- identifying a set of features on the schematic to be colorized (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- establishing a color scheme, wherein the color scheme includes a color associated at least one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorizing the feature based on the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

12. In regards to claim 9, AutoCAD 2000 discloses the computer readable medium of claim 8, wherein each feature includes one or more elements (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer), and wherein the step of automatically colorizing the feature includes:

- associating an element with one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorizing the element based on the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

13. In regards to claim 10, AutoCAD 2000 discloses the computer readable medium of claim 8, as contained hereinabove. In addition, AutoCAD 2000 further discloses storing the colorized schematic in an electronic format (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

14. In regards to claim 11, AutoCAD 2000 discloses the computer readable medium of claim 10, as contained hereinabove. In addition, AutoCAD 2000 further discloses:

- obtaining a revised electronic schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: This could be a simple action by the user to open a file [the revised electronic schematic]);
- comparing the schematic to the revised electronic schematic to determine revised portions and non-revised portions of the revised electronic schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by

layer; NOTE: Again, this could be a simple action by the user to compare one file to another);

- colorizing the non-revised portions based on the stored colorized schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- associating an element from the revised portions with one of the features (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorizing the element based on the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

15. In regards to claim 12, AutoCAD 2000 discloses the computer readable medium of claim 9, as contained hereinabove. In addition, AutoCAD 2000 further discloses wherein the step of associating an element with one the features includes:

- selecting a feature (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- selecting at least one element on the schematic to be associated with the selected feature (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

16. In regards to claim 13, AutoCAD 2000 discloses the computer readable medium of claim 12, wherein the step of selecting at least one element on the schematic includes selecting at least one element in a visual representation of the schematic (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

17. In regards to claim 14, AutoCAD 2000 discloses the computer readable medium of claim 12, wherein the step of selecting at least one element on the schematic includes entering one or more labels associated with the elements (Chapter 15 – “Text Annotation”).

18. In regards to claim 25, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 discloses wherein colors are associated with features and they are first, second, and third colors (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

19. In regards to claim 26, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 discloses wherein the establishing a color scheme includes receiving information from a user for establishing the color scheme (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

20. In regards to claim 27, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 discloses wherein establishing a color scheme includes receiving information from a user for associating the color with the at least one of the features in the set (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

21. In regards to claim 28, AutoCAD 2000 discloses the method of claim 1, as contained hereinabove. In addition, AutoCAD 2000 discloses wherein automatically colorizing the at least one feature based on the color scheme to generate a colorized schematic includes automatically colorizing the at least one feature based on the color scheme and based on a user input (Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

Claim Rejections - 35 USC § 103

22. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

23. Claims 15-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over AutoCAD 2000 (“Inside AutoCAD ® 2000 Limited Edition,” by Burchard et al.) in view of Maeda et al. (5,966,310).

24. In regards to claim 15, AutoCAD 2000 discloses a system configured to colorize an electronic schematic including a set of features, as disclosed hereinabove in regards to claim 1. While AutoCAD 2000 discloses the system for colorizing an electronic schematic and indicates the system is manifested in a computing environment, AutoCAD 2000 does not specifically disclose the system components. Maeda discloses a computer aided design system, the system comprising:

- a processor (column 13, lines 29-30 disclose the invention embodied on a personal computer where it is inherent that a computer has a processor);
and
- a memory wherein the memory includes a colorization module configured to colorize the electronic schematic (column 2, lines 63-65 disclose the memory as having; column 2, lines 44-47 disclose the graphics processing means which is equivalent to the "colorization module" disclosed by applicant as they are both software modules designed to colorize the schematic or design).

It is further noted that both AutoCAD 2000 and Maeda refer to their inventions as usable in a CAD environment. It would have been obvious to one skilled in the art to which it pertains at the time the invention was made to integrate the teachings of AutoCAD 2000 and Maeda to achieve a system and method for utilizing a computer aided drafting software package to colorize an electronic or other design schematic in order to make the schematic more easily manipulated and viewable by a generic user.

Art Unit: 2676

25. In regards to claim 16, the combination of AutoCAD 2000 and Maeda disclose the system of claim 15, wherein the memory further includes a computer-aided design module configured to prepare the electronic schematic (Maeda: column 8, lines 54-55; column 9, lines 34-38).

26. In regards to claim 17, the combination of AutoCAD 2000 and Maeda disclose the system of claim 16, wherein the colorization module is software configured to work with the computer-aided design module during colorization of the electronic schematic (column 9, lines 34-38 disclose the CAD module configures to work with the colorization module [graphics module]).

27. In regards to claim 18, the combination of AutoCAD 2000 and Maeda disclose the system of claim 16, further including an output module for providing the colorized schematic to one or more of a display device, a printer, or a storage medium (Maeda: column 9, lines 39-40).

28. In regards to claim 19, the combination of AutoCAD 2000 and Maeda disclose the system of claim 16, further including an input module for receiving inputs from one or more of a keyboard, a point-and-click device, or a storage medium reader (Maeda: column 8, lines 58-62 disclose various input devices).

29. In regards to claim 20, the combination of AutoCAD 2000 and Maeda disclose the system of claim 16, wherein the colorization module is configured to enable the processor to perform the following steps:

- identify a set of features on the original electronic schematic to be colorized (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” –

discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user);

- establish a color scheme, wherein the color scheme includes a color associated with at least one of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user);
- associate an element with one of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user); and
- automatically colorize the element based on the color scheme automatically colorizing the feature based on the color scheme (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

It would have been obvious to one skilled in the art to which it pertains at the time the invention was made to integrate the teachings of AutoCAD 2000 and Maeda to achieve a system and method for utilizing a computer aided drafting software package to

colorize an electronic or other design schematic in order to make the schematic more easily manipulated and viewable by a generic user.

30. In regards to claim 21, the combination of AutoCAD 2000 and Maeda disclose the system of claim 17, wherein the colorization module is further configured to instruct the processor to further perform the following steps:

- store the colorized schematic in an electronic format (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- obtain a revised electronic schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: This could be a simple action by the user to open a file [the revised electronic schematic]);
- compare the electronic schematic to the revised electronic schematic determine revised portions and non-revised portions of the revised electronic schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: Again, this could be a simple action by the user to compare one file to another);
- colorize the non-revised portions based on the stored colorized schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses

object properties including color; Figures 4.3 and 4.4; includes by item or by layer);

- associate an element from the revised portions with one of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorize the element based on the color scheme (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

31. In regards to claim 22, AutoCAD 2000 discloses a system configured to colorize an electronic schematic including a set of features, as disclosed hereinabove in regards to claim 1. While AutoCAD 2000 discloses the system for colorizing an electronic schematic and indicates the system is manifested in a computing environment, AutoCAD 2000 does not specifically disclose the system components. Maeda discloses a computer aided design system, the system comprising:

- a colorization module for colorizing the original electronic schematic (column 2, lines 63-65 disclose the memory as having; column 2, lines 44-47 disclose the graphics processing means which is equivalent to the “colorization module” disclosed by applicant as they are both software modules designed to colorize the schematic or design), wherein the colorization module is configured to perform the following steps:

- identify a set of features on the electronic schematic to be colorized (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user);
- establish a color scheme, wherein the color scheme includes a color associated with each of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user); and
- automatically colorize the feature based on the color scheme (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

It would have been obvious to one skilled in the art to which it pertains at the time the invention was made to integrate the teachings of AutoCAD 2000 and Maeda to achieve a system and method for utilizing a computer aided drafting software package to colorize an electronic or other design schematic in order to make the schematic more easily manipulated and viewable by a generic user.

32. In regards to claim 23, the combination of AutoCAD 2000 and Maeda disclose the system of claim 22, wherein each feature includes one or more elements, and wherein the step of automatically colorizing the feature includes:

- associating an element with one of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user); and
- automatically colorizing the element based on the color scheme (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; and wherein there are 256 different colors available for selection by the user).

33. In regards to claim 24, the combination of AutoCAD 2000 and Maeda disclose the system of claim 22, wherein the colorization module is further configured to perform the following steps:

- store the colorized schematic in an electronic format (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- obtain a revised electronic schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: This could

Art Unit: 2676

be a simple action by the user to open a file [the revised electronic schematic]);

- compare the electronic schematic to the revised electronic schematic to determine revised portions and non-revised portions of the revised electronic schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer; NOTE: Again, this could be a simple action by the user to compare one file to another);
- colorize the non-revised portions based on the stored colorized schematic (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer);
- associate an element from the revised portions with one of the features (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer); and
- automatically colorize the element based on the color scheme (AutoCAD 2000: Chapter 4 – “Controlling Object Properties” – discloses object properties including color; Figures 4.3 and 4.4; includes by item or by layer).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alysa N. Brautigam whose telephone number is 571-272-7780. The examiner can normally be reached on 8:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

anb

A handwritten signature in black ink, appearing to read "Matthew C. Bella". The signature is fluid and cursive, with the first name "Matthew" being more prominent than the last name "Bella".

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600